

We claim:

*Sub A16*

*Claire*

*Sub C3*

1. A non-porous catheter balloon comprising porous polytetrafluoroethylene and a non-porous coating.
2. A non-porous catheter balloon according to claim 1 wherein the non-porous coating comprises fluorinated ethylene propylene.
- 10 3. A non-porous catheter balloon according to claim 1 wherein the non-porous coating comprises an adhesive.
- 15 4. A non-porous catheter balloon according to claim 3 wherein the adhesive comprises a thermoplastic adhesive.
5. A non-porous catheter balloon according to claim 4 wherein the thermoplastic adhesive is a thermoplastic fluoropolymer.
- 20 6. A non-porous catheter balloon according to claim 1 wherein the porous polytetrafluoroethylene comprises porous expanded polytetrafluoroethylene.
7. A non-porous catheter balloon according to claim 1 wherein the balloon is an inelastic balloon.
- 25 8. A non-porous catheter balloon according to claim 1 wherein the non-porous coating comprises multiple layers of porous polytetrafluoroethylene.
9. A non-porous catheter balloon according to claim 1 wherein the non-porous coating is a continuous coating.